

REMARKS

Status of Claims

Claims 1-7 have been objected to due to wording informalities.

Claims 1-7 have been rejected under 35 USC112 for failure to comply with the written description requirement by adding information going beyond the subject matter originally filed.

Claims 1 and 3-6 have been rejected under 35 USC 103(a) for obviousness over Barnes in view of Frid and Leu.

Claim 2 has been rejected under 35 USC103(a) for obviousness over Barnes in view of Frid and Leu, in view of well known prior art.

Claim 7 has been rejected under 35 USC103(a) over Barnes in view of Frid and Leu, and further in view of Einola.

Objections

Claim 1 has been amended to address the wording informalities.

Claim 1

35 USC112 Rejection of Claim 1

Claim 1 has been amended to address the 35 USC 112 rejection.

Claim 1 now requires

“the controlling support node responding to receipt of the routing area update completion message by sending a mobile internet protocol agent advertisement to the mobile system.”

This feature is fully supported by the original disclosure of the specification, see for example:

“According to the invention, in the General Packet Radio Service (GPRS) when a mobile system moves from a former GPRS support node to a new GPRS support node and sends to the new node a routing area update message, a method of

supporting mobile Internet Protocol characterized in that on receipt of said routing area update message a Mobile Internet Protocol agent advertisement is sent only to that mobile system.” (page 1 lines 22 to 27)

“The reception at the SGSN 16 of a RA update message can be used to trigger a MIP agent advertisement on the traffic channels to the MS performing the RA update”. (page 3 lines 21-22)

Referring to Figure 3:

“STEP 11

The MS 60 acknowledges the new P-TMSI with a Routing Area Update Complete (P-TMSI, LLC Ack).” (page 6 lines 17 to 19)

“STEP 12

Over the newly setup link to the mobile, a Mobile IP Agent Advertisement is sent including challenge/response and NAI extensions.” (page 6 lines 25 to 27)

Referring to Figure 4:

“STEP 4

If P-TMSI was reallocated, the MS acknowledges the new P-TMSI with Routing Area Update Complete (P-TMSI).” (page 7 lines 30 to 32)

“STEP 5

If the New routing area I under the domain of a new FA (e.g. for load sharing reasons) then a Mobile IP Agent

Advertisement is sent including challenge/response
and NAI extensions.” (page 8 lines 1 to 4)

35 USC103(a) Rejection of Claim 1

As regards the rejection under 35 USC103(a), it is respectfully submitted that the Examiner is incorrect in asserting that Barnes does suggest the controlling support node responding to receipt of the routing area update (RAU) completion message by sending a mobile Internet protocol agent advertisement to the mobile system. None of the particular passages of Barnes cited by the Examiner refer to a routing area update (RAU) completion message, in particular responding to receipt of a RAU completion message by sending the mobile IP agent advertisement. Furthermore, in its column 3 lines 22 to 26 Barnes refers to a reference text, namely Charles E. Perkins, Mobile IP: Design Principles and Practices (Computing & Engineering Publishing Group ISBN: 0-201-63469-4, 1998). As mentioned in its page 48, Section 3.5 first paragraph (a copy of which is enclosed), this teaches that in mobile Internet Protocol, an advertisement can be sent in response to receipt of a mobile Internet Protocol solution message; not in response to a RAU completion message as required by Claim 1.

Frid also does not teach this required feature of claim 1 of “the controlling support node responding to receipt of the routing area update completion message by sending a mobile internet protocol agent advertisement to the mobile system.”. As shown in Frid Figure 6 and mentioned in Frid column 9 lines 40 to 44, the Mobile IP Agent Advertisement 780 is instead sent in response to receipt of a Mobile IP agent Solicitation message 770.

The skilled reader of Barnes in view of Frid is taught that the Mobile IP agent advertisement is sent in response to the mobile IP agent solicitation. There is no motivation for the skilled reader to look to Leu. However, if the skilled reader were to do so, the skilled reader learns from Leu that in some Mobile IP Systems an Agent Advertisement can be sent without an Agent Solicitation.

What none of Barnes, Frid or Leu disclose is sending the Agent Advertisement in response to receipt of a routing area update completion message.

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It falls that claim 1 is patentable to the standard of 35 USC103(a) over this cited art.

Claims 2 to 7

The rejection of depending claims 2 to 7 under 35 USC112 falls away in view of the amendment to claim 1 discussed above.

Claims 2 to 7 are patentable not least on the basis that they each depend on an allowable claim 1.

Conclusion

In view of the foregoing, allowance of all the claims presently in the application is respectfully requested, as is passage to issuance of the application. If the Examiner should feel that the application is not yet in a condition for allowance and that a telephone interview would be useful, he is invited to contact Applicants' undersigned attorney at 908 582-5294.

Respectfully submitted,

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By 

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Att.

Information Disclosure Statement with reference as above

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